**SOFTWARE DETAIL DESIGN DOCUMENT**

**HUMAN RESOURCE MANAGEMENT**

DD\_IncomeManagement

Version 1.0, issued date …..

**ABSTRACT**

This document is intended to be the SRS and ADD for developing

**PERSONAL INFORMATION MANAGEMENT (HRM\_PIM)**

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1. **File list**

[*Reference to Incomemanagement in File List*](../../HRM_File%20List.xlsx)

1. **Function list**

|  |  |
| --- | --- |
| ***ListIncomeManagementView*** |  |
| **Function** | **Description** |
| OnCellDoubleClick() | Show GUI choosen by user |

|  |  |
| --- | --- |
| ***EditIncomeManagementView*** |  |
| **Function** | **Description** |
| View\_CloseWindow() | Close GUI choosen by user |

|  |  |
| --- | --- |
| ***ListIncomeManagementViewModel*** |  |
| **Function** | **Description** |
| GetListIncomeManagementComplete(int employeeKey) | Get list of available data of Incomemanagement to List View |
| GetIncomeManagementtByKeyComplete (int id, string keyName) | Check incomeManakey inserted with available incomeManakey in database. |
| DeleteIncomeManagementComplete(Int IncomeManaKey) | Delete list data of Incomemanagement from database |
| Reload() | Get available data of Incomemanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

|  |  |
| --- | --- |
| ***EditIncomeManagementViewModel*** |  |
| **Function** | **Description** |
| SaveIncomeManagementComplete(Int IncomeManaKey) | Store data of incomeManagement to database |
| GetIncomeManagementComplete(int id) | Get list of available data of Incomemanagement to Edit View |
| GetIncomeManagementByKeyComplete(int id, string keyName) | Check incomeManakey inserted with available incomeManakey in database. |
| CheckInputData() | Check if user input wrong data or lack |
| Readload() | Get available data of Incomemanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

|  |  |
| --- | --- |
| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListIncomeManagementAsync(int employeeKey) | Get list of available data of Incomemanagement from database to ViewlModel |
| GetIncomeManagementAsync(int id) | Get data of incomemanagement from database. |
| SaveIncomeManagementAsync(Int IncomeManaKey) | Insert data of incomemanagement to database. |
| DeleteIncomeManagementAsync(Int IncomeManaKey) | Remove data of incomemanagement to database. |

|  |  |
| --- | --- |
| ***HRMService*** |  |
| **Function** | **Description** |
| GetHRM\_IncomeManagement(int IncomeManaKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Select transaction. |
| InsertHRM\_IncomeManagement(int IncomeManaKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Insert transaction. |
| UpdateHRM\_IncomeManagement(int IncomeManaKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Update transaction. |
| DeleteHRM\_IncomeManagement(int IncomeManaKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Delete transaction. |

1. **Detail Design**
   1. Client Class Diagram



* 1. Business Class Diagram



* 1. Entity Diagram

|  |  |
| --- | --- |
| C:\Users\DangNguyen\Desktop\HRM Image\HRM_employee.jpg | C:\Users\DangNguyen\Desktop\HRM Image\HRM_income.jpg |

* 1. Sequence Diagram
     1. List Income Management Diagram



* + 1. Edit Income Management Diagram

